

ABSTRACT

Methods and systems for electronics assembly system consultation and sales build upon an approach to modeling and simulation of such systems in which the system is modeled at a preselected level of abstraction, which in the preferred embodiment of the invention is the material flow level of abstraction. Models capable of producing accurate results, but that avoid predicting system events at too low a level of detail, in turn permit the generation of configuration options for a customer, along with substantiated performance predictions, within a comparatively short period of time, one that permits various assembly system configurations to be proposed and evaluated within the course of a particular customer visit.

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